



Revision Date: 06/08/2005

Issue date: 06/08/2005

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b> EA 9396 PART A	<b>Kit Number:</b> AS9280000
<b>Product type:</b> Adhesive for the Aerospace Industry	<b>Item No. :</b> AA9280000
<b>Company address:</b> Henkel Corporation 2850 Willow Pass Road Bay Point, California 94565	<b>Region:</b> United States
	<b>Contact Information:</b> Telephone: 925.458.8000 Fax : 925.458.8030. Emergency Telephone: 860.571.5100. Internet www.aerospace.henkel.us

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N- (oxiranylmethyl) 28768-32-3	30-60	None	None	None
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	30-60	None	None	None
Glycerol poly(oxypropylene) triamine 64852-22-8	5-10	None	None	None

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### HMIS:

<b>Physical state:</b> Liquid/paste	<b>HEALTH:</b>	2*
<b>Color:</b> Blue	<b>FLAMMABILITY:</b>	1
<b>Odor:</b> Mild	<b>PHYSICAL HAZARD:</b>	1
	<b>Personal Protection:</b>	See Section 8

**WARNING:** CAUSES EYE IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE SKIN IRRITATION.

**Relevant routes of exposure:** Skin, Eyes, Inhalation

#### Potential Health Effects

<b>Inhalation:</b>	May cause irritation to nose and throat.
<b>Skin contact:</b>	Brief contact with the uncured adhesive may irritate the skin or cause a rash. Repeated or prolonged skin contact may result in allergic sensitization.
<b>Eye contact:</b>	Contact with eyes will cause irritation.
<b>Ingestion:</b>	Not a relevant route of exposure.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

Item No. : AA9280000

Product name: EA 9396 PART A

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Remove contaminated clothing and shoes. Wash with soap and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Eye contact:</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Ingestion:</b>	Do not induce vomiting. Drink water as a precaution. Obtain medical attention.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 93°C (200°F) (estimated)
<b>Autoignition temperature:</b>	Not determined
<b>Flammable/Explosive limits-lower %:</b>	Not determined
<b>Flammable/Explosive limits-upper %:</b>	Not determined
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation.
<b>Unusual fire or explosion hazards:</b>	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of nitrogen. Hydrocarbons.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Contain spill. Do not let product enter drains. Do not flush into surface water.
<b>Clean-up methods:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part A at temperatures greater than 80 °C (176 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.
<b>Storage:</b>	Keep in a cool, well ventilated area. Keep container closed.
<b>Incompatible products:</b>	Keep away from strong oxidizing agents, strong Lewis or mineral acids.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
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**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

**Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

**Eye/face protection:** Safety glasses Goggles.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid/paste  
**Color:** Blue  
**Odor:** Mild  
**Vapor pressure:** Nil  
**pH:** Neutral  
**Boiling point/range:** Not determined  
**Melting point/range:** Not determined  
**Specific gravity:** 0.98  
**Vapor density:** Greater than 1  
**Evaporation rate:** Not determined  
**Solubility in water:** Negligible.  
**Partition coefficient (n-octanol/water):** Not determined  
**VOC content:** Not available

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.

**Hazardous polymerization:** May occur.

**Hazardous decomposition products:** Oxides of nitrogen. Oxides of carbon. Hydrocarbons.

**Incompatibility:** Strong acids and oxidizing agents. Amines.

**Conditions to avoid:** To avoid thermal decomposition, do not overheat.

## 11. TOXICOLOGICAL INFORMATION

**Product toxicity data:** Loctite is not aware of any toxicity data on the specific mixture of chemical components contained in this product.

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N-(oxiranylmethyl) 28768-32-3	No	No	No
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	No	No	No
Glyceryl poly(oxypropylene) triamine 64852-22-8	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N-(oxiranylmethyl) 28768-32-3	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System, Mutagen
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	Allergen, Irritant
Glyceryl poly(oxypropylene) triamine 64852-22-8	No Records

## 12. ECOLOGICAL INFORMATION

**Ecological information:**

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. DISPOSAL CONSIDERATIONS

**Information provided is for unused product only.**

**Recommended method of disposal:**

Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product.

**EPA hazardous waste number:**

Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

**U.S. Postal System:**

This material is allowed to be sent through the U.S. Postal system.

**U.S. Department of Transportation Ground (49 CFR):**

**Proper shipping name:** Not restricted  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** Not restricted  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**Water Transportation (IMO/IMDG):**

**Proper shipping name:** Not restricted  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None  
**Marine pollutant:** Not applicable

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
**TSCA 12 (b) Export Notification:** None.

**CERCLA/SARA Section 302 EHS:** None.  
**CERCLA/SARA Section 311/312:** Immediate Health Hazard, Delayed Health Hazard  
**CERCLA/SARA 313:** None.

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer.

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** Not fully investigated.  
**WHMIS hazard class:** D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 1,16

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